

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.yy**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000323**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 02-Oct-2007**Location:** Changxing Island, Shanghai, China

**Submittals(New / Total):**      **CWR's:** /      **HSR's:** /      **NCR's:** /

Item	Title	Detail
1	Meetings attended	The weekly fabrication update conference call was held at 09:00. ZPMC fabrication issues were discussed including current number of qualified welders, material fine grain verification, closed rib UT procedure and weld trials, OBG bottom panel fabrication, and tower mock-ups.
2	Other important observations	During a walkthrough of the fabrication bays, ZPMC was observed performing grinding of repair welds that were completed on Skin Plates A and E of the 77-m mock-up section. There was no activity observed in the OBG deck and bottom panel shop floors.
3	Meetings attended	The ZPMC Daily Meeting was held at 13:00 today. ZPMC asked if they could perform the closed rib weld trials using deck panel plates that have not been verified for fine grain size. CT stated that ZPMC would be allowed to use plates without fine grain verification for the weld trials. It was clarified that this would be allowed for the weld trials only and that the weld trials are separate from the deck plate mock-ups.
<p>ABF asked about the approval for using intersecting welds in floorbeam fabrication. CT advised ABF to submit the proposed fabrication procedure as an RFI so that Pier 7, specifically Design, could comment on the proposal.</p> <p>ABF was advised to include, in the RFI, the documentation of the intersecting weld demonstration that was performed previously.</p> <p>ZPMC stated that the only thing that was preventing start of fabrication for OBG bottom and side plates was the fine grain size verification of plates. Grain size has already been verified for rolled shapes. ABF stated that ZPMC's upper management had issued a directive that no fabrication would begin until issues with fine grain size verification are resolved. ABF believes that ZPMC can start fabrication within "a couple days" of issue resolution.</p>		
4	Key conversations	I spoke with Steve Lawton regarding pending NCRs on the tower mock-up fabrication. ABF has allowed ZPMC to perform repairs in welds that had

---

## DAILY PROJECT JOURNAL

( Continued Page 2 of 2 )

---

rejects found in over 10% of the weld length. ABF agreed that this was not allowed in the mock-ups. Possible resolution to the NCRs were discussed. It was proposed that a CWR be submitted for the Engineer's approval prior to performing any repairs on welds that exceed the 10% reject limit. A CWR will serve as documentation of the issue. A CWR would also facilitate discussion between ZPMC, ABF and CT to determine and eliminate the root cause of high reject rates.

---

<b>Inspected By:</b>	Velasco, Abifhram
----------------------	-------------------

Quality Assurance Inspector
-----------------------------

<b>Reviewed By:</b>	Lowry, Patrick
---------------------	----------------

QA Reviewer
-------------

---